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|                       | Technical Data Sheet                                                                                                                                                                                                                                                                                                                                  |                  |
| Product               | <b>Anti-Hu CD98 FITC</b>                                                                                                                                                                                                                                                                                                                              |                  |
| Cat. Number/Size      | <b>1F-268-T025</b>                                                                                                                                                                                                                                                                                                                                    | <b>25 tests</b>  |
|                       | <b>1F-268-T100</b>                                                                                                                                                                                                                                                                                                                                    | <b>100 tests</b> |
|                       | <b>For Research Use Only.</b>                                                                                                                                                                                                                                                                                                                         |                  |
|                       | <b>Not for use in diagnostic or therapeutic procedures.</b>                                                                                                                                                                                                                                                                                           |                  |
| Antigen               | CD98                                                                                                                                                                                                                                                                                                                                                  |                  |
| Clone                 | MEM-108                                                                                                                                                                                                                                                                                                                                               |                  |
| Format                | FITC                                                                                                                                                                                                                                                                                                                                                  |                  |
| Reactivity            | Human                                                                                                                                                                                                                                                                                                                                                 |                  |
| Application           | FC (QC tested)                                                                                                                                                                                                                                                                                                                                        |                  |
| Application details   | Flow cytometry: The reagent is designed for analysis of human blood cells using 20 µl reagent / 100 µl of whole blood or 10 <sup>6</sup> cells in a suspension. The content of a vial (2 ml) is sufficient for 100 tests.                                                                                                                             |                  |
| Excitation laser      | blue (488 nm)                                                                                                                                                                                                                                                                                                                                         |                  |
| Isotype               | Mouse IgG1                                                                                                                                                                                                                                                                                                                                            |                  |
| Specificity           | The antibody MEM-108 reacts with an extracellular epitope of CD98, a 125 kDa disulfide-linked heterodimer (80 kDa glycosylated heavy chain + 45 kDa non-glycosylated light chain). CD98 is expressed on T lymphocytes (upon activation) and activated NK cells; it is also present at low levels on B lymphocytes, NK cells, monocytes and platelets. |                  |
| Other names           | 4F2, MDU1, 4F2HC, 4T2HC, NACAE, SLC3A2                                                                                                                                                                                                                                                                                                                |                  |
| Workshop              | HLDA VI: WS Code BP 409; HLDA VI: WS Code NL N-L017                                                                                                                                                                                                                                                                                                   |                  |
| Immunogen             | RAJI human Burkitt's lymphoma cell line                                                                                                                                                                                                                                                                                                               |                  |
| Entrez Gene ID        | 8140                                                                                                                                                                                                                                                                                                                                                  |                  |
| Gene name             | SLC7A5                                                                                                                                                                                                                                                                                                                                                |                  |
| NCBI Full Gene Name   | solute carrier family 7 member 5                                                                                                                                                                                                                                                                                                                      |                  |
| UniProt ID            | Q01650                                                                                                                                                                                                                                                                                                                                                |                  |
| Preparation           | Purified antibody is conjugated with fluorescein isothiocyanate (FITC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.                                                                                                                                                         |                  |
| Formulation           | Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide                                                                                                                                                                                                                                                                               |                  |
| Storage and handling  | Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.                                                                                                                                                                                                                                                                              |                  |
| Images and References | <a href="http://www.exbio.cz">www.exbio.cz</a>                                                                                                                                                                                                                                                                                                        |                  |

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